

WEST Search History

DATE: Monday, February 12, 2007

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<i>DB=USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L57	validat\$ same (Component adj Object adj Model)	17
<input type="checkbox"/>	L56	validat\$ same (form\$1 near2 (input\$ or enter\$)) same Java\$	7
<input type="checkbox"/>	L55	L36 and (COM or (Component adj Object adj Model))	54
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L54	L36 and (COM or (Component adj Object adj Model))	54
<input type="checkbox"/>	L53	L36 and (COM or (Component adj Object adj Model)).ti.	0
<input type="checkbox"/>	L52	L51 and validat\$	32
<input type="checkbox"/>	L51	L50 and L48	32
<input type="checkbox"/>	L50	L47 and (form\$1 near2 (input\$ or enter\$)) or ((user adj interface) or GU)	193254
<input type="checkbox"/>	L49	L48 and ((user adj interface) or GU)	31
<input type="checkbox"/>	L48	L46 and ((COM or (Component adj Object adj Model))with validat\$)	51
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<input type="checkbox"/>	L46	L45 and (COM or (Component adj Object adj Model))	5731
<input type="checkbox"/>	L45	(validat\$ with (form\$1 near2 (input\$ or enter\$)) Java\$)	57483
<input type="checkbox"/>	L44	(validat\$ wiht (form\$ near2 (input\$ or enter\$)) Java\$)	218522
<input type="checkbox"/>	L43	(validat\$ same (form\$ near2 (input\$ or enter\$)) Java\$)	57816
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L42	'6356903'.pn.	1
<input type="checkbox"/>	L41	L40 and (validat\$ same (text near2 (input\$ or enter\$)))	5
<input type="checkbox"/>	L40	L39 and (COM or (Component adj Object adj Model))	103
<input type="checkbox"/>	L39	((user adj interface) or GU) and validat\$ and (text near2 input\$) and ((Java adj (script\$1 or applet\$1)) or COM)	134
<input type="checkbox"/>	L38	L36 and validat\$	54
<input type="checkbox"/>	L37	L36 and validat\$.ti.	0
<input type="checkbox"/>	L36	L35 and (COM or (Component adj Object adj Model))	54
<input type="checkbox"/>	L35	L34 and (text near2 (input\$ or enter\$)) same (HTML or form\$1)	68
<input type="checkbox"/>	L34	L33 and L23	134
<input type="checkbox"/>	L33	(text near2 input\$)and((Java adj (script\$1 or applet\$1)) or COM) and (GU or (user adj interface))	379
<input type="checkbox"/>	L32	6,073,163.pn.	1
<input type="checkbox"/>	L31	L30 and (validat\$ same input\$ same HTML)	3
<input type="checkbox"/>	L30	L23 and (COM or (Component adj Object adj Model))	103
<input type="checkbox"/>	L29	L28 and validat\$	8
<input type="checkbox"/>	L28	L27 and ((user adj interface) or GU)	28
<input type="checkbox"/>	L27	L26 or L25	63

(5,848,397 5,845,255 5,841,970 5,832,488 5,827,180 5,809,476 5,815,665 5790785 5772585 5,664,207 5,664,109

<input checked="" type="checkbox"/>	L26	5,629,981 5,588,148 5,572,422 5,560,008 5,559,888 5,559,885 5,550,971 5,465,082 5,327,341 5,325,294 5,301,246 5,301,105 5,241,671 5,150,409 5,491,800 5,430,875 5,251,152 4,984,272 4,960,982 4,949,25 1 4,916,611 4,882,474 4,858,121 4,868,376 4,812,994 4,315,309).pn.	30
<input type="checkbox"/>	L25	(6,826,696 6,449,598 6,401,072 6,385,611 6,362,836 6,334,778 6,347,374 6,2952,796 6,263330 6,253,228 6,189,036 6,178,416 6,167,523 6,141,759 6,112,183 6,092,196 6,073,163 6,073,106 6,070,160 6,031,818 6,018,619 6,006,269 5,996,715 5,978,842 5,974,412 5,967,789 5,960,403 5,953,704 5,915,240 5,905,884 5,903,889 5,867,821 5,857,190 5,862,327).pn.	33
<input type="checkbox"/>	L24	((user adj interface) or GU) same validat\$ same (text near2 input\$) same((Java adj (script\$1 or applet\$1)) or COM)	0
<input type="checkbox"/>	L23	((user adj interface) or GU) and validat\$ and (text near2 input\$) and((Java adj (script\$1 or applet\$1)) or COM)	134
<input type="checkbox"/>	L22	'6725219'.pn.	1
		<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L21	L20 and (((Java adj (script\$1 or applet\$1)) or COM) same validat\$)	11
<input type="checkbox"/>	L20	L19 and ((Java adj (script\$1 or applet\$1)) or COM)	67
<input type="checkbox"/>	L19	L6 and (validat\$ with html)	67
<input type="checkbox"/>	L18	L17 and (validat\$ with html with (text adj input))	1
<input type="checkbox"/>	L17	L16 and (validat\$ same html)	995
<input type="checkbox"/>	L16	(Java adj (script\$1 or applet\$1)) or (COM or (Component adj Object adj Model))	63915
<input type="checkbox"/>	L15	((user adj interface) or GU) same validat\$ same (text near2 input\$) same((Java adj (script\$1 or applet\$1)) or COM)	1
<input type="checkbox"/>	L14	((user adj interface) or GU) and validat\$ and (text near2 input\$) and((Java adj (script\$1 or applet\$1)) or COM)	426
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L13	L12 and (HTML or (hypertext adj markup))	8
<input type="checkbox"/>	L12	(((user adj interface) or GU) same validat\$ same(text near2 input\$))	21
<input type="checkbox"/>	L11	(((user adj interface) or GU) with validat\$ with (text near2 input\$))	3
<input type="checkbox"/>	L10	L9 and (((user adj interface) or GU) with validat\$ with (text near2 input\$))	1
<input type="checkbox"/>	L9	L6 and (Java adj (script\$1 or applet\$1)) or (Component adj Object adj Model)	4412
<input type="checkbox"/>	L8	(text near2 input\$) same((Java adj (script\$1 or applet\$1)) or COM) same (GU or (user adj interface))	2
<input type="checkbox"/>	L7	L6 and (text near2 input\$) same((Java adj (script\$1 or applet\$1)) or COM) same (GU or (user adj interface))	1
<input type="checkbox"/>	L6	L5 and ((Java adj (script\$1 or applet\$1)) or COM)	113
<input type="checkbox"/>	L5	L4 and (validat\$ same html)	113
<input type="checkbox"/>	L4	((user adj interface) or GU) and validat\$ and (text near2 input\$) and ((Java adj (script\$1 or applet\$1)) or COM)	426
<input type="checkbox"/>	L3	((user adj interface) or GU) and validat\$ and (text near2 input\$) and ((Java adj (script\$1 or applet\$1)) or COM)	426
		<i>DB=USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L2	maikhahan near nguyen	47
<input type="checkbox"/>	L1	6728879.pn.	1

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System design validation using formal models

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Abstract

Formal methods are a nice idea, but the size and complexity of real systems means that they are impractical. We propose that a reasonable alternative to attempting to specify and verify the system in its entirety is to build and evaluate an abstract model(s) of aspects of the system that are perceived as important. Using a model we can not provide proof of the system, but it can help to find shortcomings and errors at an early stage. Executing the model should also give a measure of confidence in the final product. Many systems today are built from communicating components so that the task of the developers is becoming fitting these components together to form the required system. We show how a formal model can be sympathetic to this type of architecture using our tool, RolEnact and explain how this may be related to a COM implementation.

Index Terms

Inspec

Controlled Indexing

[computational complexity](#) [formal specification](#) [systems analysis](#)

Non-controlled Indexing

[COM implementation](#) [RolEnact](#) [abstract model](#) [formal models](#) [real systems complexity](#)
[system design validation](#)

Author Keywords

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